



# Annual Crop Summary

February 2003

## 2002 Crops, United States

United States production of the major field crops declined from the previous year, mainly the result of moisture shortages causing lower yields, although acreage was also down for some crops. Showing production declines in 2002 were corn, sorghum, soybeans, wheat, cotton and tobacco, with hay and rice showing only minor declines. Total area of principal crops harvested in the U.S. amounted to 300 million acres, down 1 percent from 2001 and over 2 percent less than in 2000.

Fieldwork and planting progress began close to normal in the western Corn Belt, Great Plains, and Southeast during April, while wet weather delays were common through the southern Corn Belt. Planting progress during May was slow in the southern, central and eastern Corn Belt as rainy weather persisted until late in the month. Corn and soybean planting lagged 2 to 4 weeks behind normal in many areas east of the Mississippi River, but progressed ahead of normal across the northern and western Corn Belt and Great Plains. Hot weather in June ripened wheat fields in the southern plains and aided completion of planting and growth of row crops early in the month, but late-planted crops in the eastern Corn Belt were stressed by the sudden heat and moisture shortage.

Above-normal temperatures were common across most of the Nation during July. Condition of crops fell in many areas, with the eastern Corn Belt suffering more from the hot, dry weather than the western Corn Belt. Harvesting of winter wheat progressed normally in the Great Plains and the Corn Belt. Widespread rains in August, especially after mid-month helped row crops but did little to help corn, much of which was too mature to benefit. Warm temperatures in September promoted rapid maturation of row crops, allowing harvest progress to move ahead. Except for a week of wet weather in the western Corn Belt, fall harvesting proceeded normally.

**Soybeans:** Production in 2002 totaled 2.73 billion bushels, 6 percent below 2001. The average yield in 2002 is estimated at 37.8 bushels per acre, 1.8 bushels below the 2001 yield. Yields were lower in 2002 due to moisture shortages and high temperatures in the central Great Plains, Ohio Valley, eastern Corn Belt and Atlantic Coast States. However, yields were higher in the Great Lakes, upper Mississippi Valley and southern Great Plains as weather conditions were more favorable. Farmers harvested 72.2 million of the 73.8 million planted acres, 1 percent less than a year earlier.

**Corn:** Production is estimated at 9.01 billion bushels, down 5 percent from the 9.51 billion bushels produced in 2001. The average U.S. grain yield is estimated at 130.0 bushels per acre, 8.2 bushels below 2001. Planted area totaled 79.1 million acres, up 4 percent from a year earlier. Acres harvested for grain totaled 69.3 million, 1 percent above 2001. Farmers harvested 7.49 million acres for silage, 22 percent more than in 2001 as farmers cut more silage in drought areas. Silage yields averaged 14 tons per acre, down 2.6 tons from 2001. Total silage production was 105 million tons, 3 percent more than a year earlier.

**Wheat:** All wheat production for 2002 totaled 1.62 billion

bushels, 17 percent below a year earlier and the lowest since 1972. The 2002 **winter wheat** production totaled 1.14 billion bushels, down 16 percent from 2001 and the lowest since 1970. Winter wheat yields averaged 38.5 bushels, down 5 bushels from 2001, while harvested acres of 29.7 million were the lowest since 1917. **Other spring wheat** production amounted to 394 million bushels, down 23 percent from 2001, and durum wheat production accounted for 79.5 million bushels, 5 percent less than a year earlier.

**Sorghum:** Production in 2002 is estimated at 370 million bushels, down 28 percent from 2001. Area harvested for grain totaled 7.30 million acres, down 15 percent from the previous year. Average grain yield, at 50.7 bushels per acre, is 9.2 bushels below the 2001 average yield.

**Cotton:** Production in the U.S. is estimated at 17.1 million bales, 16 percent less than last year's record high production. Yield is expected to average 663 pounds per harvested acre, down 42 pounds per harvested acre from a year ago. Harvested acres totaled 12.4 million, 10 percent less than in 2001. Upland cotton production accounted for 16.5 million bales of the total production.

**Rice:** Production in 2002 totaled 211 million cwt, down 2 percent from 2001. Of the total production, long grain rice accounted for 157 million cwt. The average yield per acre for all U.S. rice is estimated at 6,578 pounds per acre, 82 pounds above 2001 and the highest on record. Harvested acres totaled 3.21 million, 3 percent less than the previous year.

**Potatoes:** Production from all four seasons is estimated at 463 million cwt, up 6 percent from 2001 but 10 percent below the record high 2000 output. The average yield, at 363 cwt per acre, is 5 cwt above last year but 18 cwt below the large 2000 crop. Harvested acres totaled 1.28 million, 3 percent below a year earlier.

**Oats:** Production is estimated at 119 million bushels, 2 percent above the 2001 record low production. The estimated yield is 56.8 bushels per acre, 4.6 bushels below 2001. Acres harvested for grain were up 10 percent at 2.10 million.

**Tobacco:** Production in 2002 totaled 890 million pounds, 10 percent below 2001. Growers harvested 430,280 acres, less than 1 percent below last year. Yield per acre averaged 2,068 pounds, down 225 pounds from a year earlier.

**All Hay:** Production is estimated at 151 million tons, down 4 percent from the 2001 crop. Acreage harvested, at 64.5 million acres, is up 2 percent from 2001. The average U.S. yield at 2.34 tons was down 0.13 ton from the previous year. **Alfalfa hay** production accounted for 73.8 million tons, 8 percent below 2001. Harvested area fell 4 percent from 2001 to 23.1 million acres, while yields averaged 3.19 tons, down 0.18 ton. **All other hay** production totaled 77.1 million tons, up 1 percent from 2001. Area for harvest, at 41.4 million acres, rose 4 percent from the previous year, but the average yield declined 0.07 ton to 1.86 tons.



## 2002 Crops, Missouri

Missouri farmers made good progress with fieldwork in April and planting activities were mostly ahead of normal until about 2 weeks of wet weather in May stopped momentum. Dry weather returned for the last week of May and by the end of the month farmers had 89 percent of the corn, 44 percent of the soybeans, 46 percent of the sorghum and most of the cotton planted. Many fields in the wettest counties needed re-planting after flooding in May. June weather was conducive to progress of row crop planting and hay harvesting as well as the wheat harvest. Moisture shortages were becoming common by late June as sunny, dry weather prevailed.

Row crops suffered a continued, general decline in condition during July, as warm weather and below-normal rainfall persisted. The driest areas were in western and northern counties, with corn and pastures showing the most adverse effects. Development of row crops was similar to normal during July with 93 percent of the corn silking and 62 percent of the soybeans blooming by the end of the month. The first half of August continued mostly hot and dry, with both corn and pastures being rated as 55 percent poor or very poor. Widespread rains occurred around mid-month which were of substantial benefit to the late crops but corn was too far along to receive significant benefit. Supplemental feeding was necessary in areas where pastures were poorest.

The first half of September was warm and dry, hastening the maturity of all crops. The corn harvest advanced rapidly, reaching 70 percent complete by late in the month. The soybean crop was maturing on schedule at 91 percent turning color, while 16 percent was harvested. October harvesting progressed well with occasional interruptions from rain which helped pastures and new wheat seedings. Repeated showers in late October and early November delayed the completion of harvesting for nearly a week, but virtually all crops were harvested before the end of November.

**Soybeans:** Production in 2002 totaled 170 million bushels, down 9 percent from the 2001 crop, and 3 percent below the 2000 production. Farmers in Missouri harvested 5.0 million of the 5.05 million acres planted in the State. Missouri yields averaged 34 bushels per acre, 4 bushels below the record 2001 yield. Nationally, Missouri ranks fifth in harvested acres and sixth in production. The State production is valued at \$918 million, 14 percent more than the 2001 crop.

**Corn:** Production in 2002 totaled 284 million bushels, 18 percent below a year earlier and 28 percent below the record high 2000 production. Yields for the State averaged 105 bushels per acre, down 28 bushels from 2001. Out of 2.8 million planted acres, corn for grain was produced from 2.7 million acres and silage was cut on 70,000 acres. The total value of grain production was estimated at \$695 million, 2 percent above the 2001 crop value. Silage yields averaged 13 tons per acre, 3 tons less than a year earlier. Silage production totaled 910,000 tons, down 19 percent from 2001.

**Winter Wheat:** Production of 34.2 million bushels in 2002

was down 17 percent from the previous year. Of the 900,000 planted acres, 760,000 were harvested, the same as in 2001. Missouri yields averaged 45 bushels per acre, 9 bushels below the record level of 2001. Value of the crop is estimated at \$108 million, up 8 percent from last year.

**Sorghum:** Production totaled 15.7 million bushels, 24 percent less than in 2001. Of the 190,000 acres planted, 185,000 were harvested for grain, the lowest grain acreage since 1962. Average yield for the State was 85 bushels per acre, 9 bushels below the 2001 yield. Grain production was valued at \$37.9 million, 6 percent less than the 2001 crop. Sorghum silage yields averaged 6 tons per acre, down from 8 tons a year earlier.

**Cotton:** Production is estimated at 610,000 bales, 12 percent less than in 2001. The State yield is estimated at 796 pounds compared with 834 pounds a year ago. Missouri farmers harvested 368,000 of the 380,000 acres planted. Value of the lint is estimated at \$126 million, 26 percent above the previous crop value. Cottonseed production totaled 229,000 tons, 15 percent below a year earlier, while value of cottonseed, at \$21.8 million, was down 4 percent from 2001.

**Rice:** Production in 2002 totaled 11.0 million cwt, down 11 percent from the record high a year earlier. The record yield of 6,050 pounds is 50 pounds above the previous record of 2001. Farmers harvested 182,000 of the 190,000 planted acres. Value of the crop is estimated at \$39.1 million, 15 percent less than the 2001 crop value.

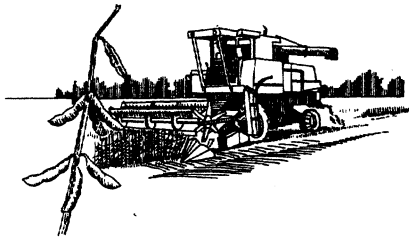
**Tobacco:** Production in 2002 totaled 3.06 million pounds, 1 percent less than in 2001. The State yield of 2,350 pounds is 20 pounds below a year ago. Farmers harvested 1,300 acres of tobacco which, along with the previous year's level, is the lowest since records began in 1866. The crop is valued at \$5.81 million, similar to the 2001 value.

**Potatoes:** Commercial potato production in 2002 totaled 1.30 million cwt, 32 percent below the 2001 production. The 5,400 acres harvested produced a yield of 240 cwt, down 100 cwt from the 2001 yield. The value of the crop is estimated at \$8.42 million, 13 percent less than a year ago.

**Oats:** Production of 1.68 million bushels amounted to a 68 percent increase from 2001. Farmers harvested 35,000 acres for grain from the 65,000 acres planted. State oat yields averaged 48 bushels, 2 bushels less than in 2001. Value of production is estimated at \$3.11 million, 94 percent more than the 2001 crop.

**Hay:** Production of **all hay** in 2002 totaled a record 7.84 million tons, virtually the same as the 2001 record high. Missouri hay yields averaged 1.84 tons per acre, compared with 1.94 tons last year and 1.79 tons 2 years ago. **Alfalfa** hay acres totaled 460,000, up 2 percent from 2001. Alfalfa yields averaged 1.84 tons, 0.10 ton below a year ago, while production was up less than 1 percent at 1.38 million tons. Acres of **other hay** increased 6 percent to a record 3.8 million. Yields of other hay averaged 1.70 tons, down 0.10 ton from the previous year, while production was virtually unchanged at 6.46 million tons.





### Missouri Crop Production, 2001-2002

Crop	Unit	Acres Harvested		Yield per Acre		Production	
		2001	2002	2001	2002	2001	2002
		-thousands-		-bushels-		-thousands-	
Corn for Grain	bu.	2,600	2,700	133.0	105.0	345,800	283,500
Corn for Silage	ton	70	70	16.0	13.0	1,120	910
Sorghum for Grain	bu.	220	185	94.0	85.0	20,680	15,725
Sorghum for Silage	ton	3	1	8.0	6.0	24	6
Soybeans	bu.	4,900	5,000	38.0	34.0	186,200	170,000
Winter Wheat	bu.	760	760	54.0	45.0	41,040	34,200
Oats	bu.	20	35	50.0	48.0	1,000	1,680
All Rice <sup>1/</sup>	cwt.	207	182	6,000	6,050	12,420	11,011
Long Grain <sup>1/</sup>	cwt.	206	182	6,000	6,050	12,360	11,011
Medium Grain <sup>1/</sup>	cwt.	1	---	5,950	---	60	---
All Potatoes <sup>2/</sup>	cwt.	5.6	5.4	340	240	1,904	1,296
Cotton <sup>3/</sup>	bale	400	368	834	796	695	610
Cottonseed	ton	---	---	---	---	268	229
Tobacco	lb.	1.3	1.3	2,370	2,350	3,081	3,055
All Hay	ton	4,050	4,260	1.94	1.84	7,853	7,840
Alfalfa Hay	ton	450	460	3.05	3.00	1,373	1,380
Other Hay	ton	3,600	3,800	1.80	1.70	6,480	6,460
Apples <sup>4/</sup>	lb.	---	---	---	---	41,000	36,000
Peaches <sup>4/</sup>	lb.	---	---	---	---	9,000	13,000
Grapes <sup>5/</sup>	ton	---	---	---	---	2.30	2.90

1/ Yield in pounds, production in hundredweight.

2/ Yield and production in hundredweight.

3/ Yield in pounds, production in 480 lb. bales.

4/ Utilized production in pounds.

5/ Utilized production in tons.

### Value of Missouri Crop Production, 2001-2002

Crop	Unit	Average Value Per Unit		Value of Production	
		2001	2002	2001	2002
		-dollars-		-thousand dollars-	
Corn	bu.	1.96	2.45	677,768	694,575
Grain Sorghum	bu.	1.94	2.41	40,070	37,866
Soybeans	bu.	4.32	5.40	804,384	918,000
Winter Wheat	bu.	2.42	3.15	99,317	107,730
Oats	bu.	1.60	1.85	1,600	3,108
All Rice	cwt.	3.70	3.55	45,954	39,089
Potatoes	cwt.	5.10	6.50	9,710	8,424
All Hay	ton	75.00	67.00	551,911	500,640
Alfalfa Hay	ton	107.00	110.00	146,911	151,800
Other Hay	ton	62.50	54.00	405,000	348,840
Cotton	lb.	.300	.430	100,080	125,904
Cottonseed	ton	85.00	95.00	22,780	21,755
Tobacco	lb.	1.895	1.900	5,838	5,805
Watermelons	cwt.	4.25	5.80	4,888	7,691
Apples <sup>1/</sup>	lb.	.171	.178	7,017	6,396
Peaches <sup>1/</sup>	lb.	.365	.420	3,285	5,460
Grapes <sup>1/</sup>	ton	630.00	615.00	1,448	1,783
<b>Total Crops <sup>2/</sup></b>	—	—	—	<b>2,376,050</b>	<b>2,484,226</b>

1/ Value of utilized production.

2/ Total value of principal crops excluding minor commodities not shown above.



# United States Crop Production, 2001-2002

Crop	Unit	Acres Harvested		Yield per Acre		Production	
		2001	2002	2001	2002	2001	2002
		-thousands-		-bushels-		-millions-	
Corn for Grain	bu.	68,808	69,313	138.2	130.0	9,506.8	9,007.7
Corn for Silage	ton	6,148	7,490	16.6	14.0	102.1	105.0
Sorghum for Grain	bu.	8,584	7,299	59.9	50.7	514.5	369.8
Sorghum for Silage	ton	336	352	11.1	9.5	3.73	3.36
Soybeans	bu.	72,975	72,160	39.6	37.8	2,890.7	2,729.7
All Wheat	bu.	48,633	45,817	40.2	35.3	1,957.0	1,616.4
Winter Wheat	bu.	31,295	29,651	43.5	38.5	1,361.5	1,142.8
Oats	cwt.	1,905	2,098	61.4	56.8	117.0	119.1
All Rice <sup>1/</sup>	cwt.	3,314	3,207	6,496	6,578	215.3	211.0
Long Grain <sup>1/</sup>	cwt.	2,697	2,512	6,213	6,260	167.6	157.2
Medium Grain <sup>1/</sup>	cwt.	591	668	7,801	7,815	46.1	52.2
Short Grain <sup>1/</sup>	cwt.	26	27	6,192	5,615	1.61	1.52
All Potatoes <sup>2/</sup>	ton	1,222	1,277	358	363	437.9	463.2
Cotton <sup>3/</sup>	ton	13,828	12,413	705	663	20.3	17.1
Cottonseed	ton	---	---	---	---	7.45	6.42
Tobacco	lb.	432	430	2,293	2,068	991.6	889.6
All Hay	ton	63,521	64,497	2.47	2.34	156.8	151.0
Alfalfa Hay	ton	23,822	23,135	3.37	3.19	80.3	73.8
Other Hay	ton	36,699	41,362	1.93	1.86	76.4	77.1
Apples <sup>4/</sup>	lb.	---	---	---	---	9,214.4	8,474.2
Peaches <sup>4/</sup>	lb.	---	---	---	---	2,334.9	2,472.5
Grapes <sup>5/</sup>	ton	---	---	---	---	6.57	7.14

1/ Yield in pounds, production in hundredweight.

2/ Yield and production in hundredweight.

3/ Yield in pounds, production in 480 lb. bales.

4/ Utilized production in pounds.

5/ Utilized production in tons.

## Value of United States Crop Production, 2001-2002

Crop	Unit	Average Value Per Unit		Value of Production	
		2001	2002	2001	2002
		-dollars-		-million dollars-	
Corn	bu.	1.97	2.35	18,888	21,213
Grain Sorghum	bu.	1.94	2.41	980	884
Soybeans	bu.	4.38	5.40	12,606	14,755
All Wheat	bu.	2.78	3.60	5,440	5,863
Winter Wheat	bu.	2.72	3.45	3,685	3,939
Oats	bu.	1.59	1.75	196	212
All Rice	cwt.	4.25	3.85	925	841
Potatoes	cwt.	6.99	6.82	3,058	3,151
All Hay	ton	96.50	94.00	12,603	12,433
Cotton	lb.	.320	.437	3,122	3,594
Cottonseed	ton	90.50	100.00	667	638
Tobacco	lb.	1.920	1.907	1,952	1,726
Watermelons	cwt.	6.77	8.38	275	329
Apples <sup>1/</sup>	lb.	.157	.191	1,448	1,622
Peaches <sup>1/</sup>	lb.	.211	.205	493	507
Grapes	ton	446.00	408.00	2,929	2,913
<b>Total Crops <sup>2/</sup></b>	---	---	---	<b>88,452</b>	<b>94,723</b>

1/ Value of utilized production.

2/ Total value of principal crops including fruits, nuts, vegetables and other minor crops not shown above.

